

Title (en)
A LUBRICATION SYSTEM FOR SPOT LUBRICATION OF WORKING CYLINDERS IN LARGE PISTON MACHINES, PRIMARILY NAVAL DIESEL MOTORS.

Title (de)
SCHMIERUNGSANLAGE FÜR PUNKTSCHMIERUNG DER ARBEITSZYLINDER IN GROSSKOLBENMASCHINEN, INSBESONDERE SCHIFFDIESELMOTOREN.

Title (fr)
SYSTEME POUR LA LUBRIFICATION DES POINTS DE GRAISSAGE DES CYLINDRES DE TRAVAIL DANS DES MACHINES A PISTONS DE GRANDE TAILLE, PRINCIPALEMENT DES MOTEURS DIESEL DE NAVIRES.

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Abstract (en)
[origin: WO9220909A1] It has been customary to supply oil to the oiling points (4) of large diesel motor cylinders (2) through long pipes from so-called central lubrication devices comprising adjustable piston pumps driven in synchronism with the motor revolutions. It has already been recognized that there are certain problems with respect to an accurate oil dosage due to spring actions in the long pipes, and it has been suggested, without practical success, to use time controlled dosing valves instead, mounted near the respective oiling points (4), whereby the spring problem is minimized. With the present invention further improvements are achieved by using instead of the near-mounted valves respective automatically adjustable, volumetric metering and dosing units (8), which, between the oiling operations, are fillable by any required volume of oil, which, e.g. by the action of the supply pressure of the oil, can be dosed out to one or more oiling points with just the required volume, practically independent of occurring pressure changes in the supply system (18).

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Cited by
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